Dr. Fixit Cipoxy 16D

SOLVENT-FREE EPOXY PRIMER

Description

Dr. Fixit Cipoxy 16D is a solventless, medium viscous, epoxy primer.

Typical Application

Cipoxy 16D is used as primer / sealer in conjunction with epoxy, PU and polyurea coating system and bonding primer for corrugated metal roof.

Features & Benefits

- Ease of application: Easy to mix & apply by brush.
- Penetration: Low viscosity penetrates into concrete surfaces.
- Excellent Bonding: Bonds strongly to damp concrete surfaces moisture content up to 7%
- User friendly: Does not blister on curing.
- Multipurpose : The most suitable epoxy primer for PU, polyurea and top coats

Method of Application

1 SURFACE PREPARATION

- Remove laitance, dirt & unsound plaster or concrete, paints, oil, grease. Curing compounds, corrosion deposits & algae etc
- Roughen the surface by any mechanical means like wire brushing, sand or grit blasting increases bonding.
- Clean the surface by vacuum.
- The strength of the concrete substrate should be atleast 25 MPa at 28 days in compression.

2 MIXING

- The base & hardener components should be mixed separately in their individual packs.
- The entire content of the Part-B (hardener) should be poured into the Part-A (base) & thoroughly mixed using a slow speed stirrer / drill with mixing paddle for 2-3 minutes. The sides of the tin should then be scraped & mixing should continue for further 2 minutes

3 APPLICATION

- After mixing apply by brush or roller to the prepared surface with required thickness and allow to cure.

Precautions & Limitations

- Application temperature range is 5^{0}C to 35^{0}C
- Do not dilute with any solvent or thinner
- Do not apply very thick coat
- Not recommended for under water repairs

Technical Information

PROPERTIES	SPECIFICATION
Type	Epoxy-polyamidoamine
Mixing ratio (R:H)	1 : 1 by volume
Finish	Glossy
Appearance	Translusent
Pot life @ 270C ASTM D 2471	≥ 60 min
Solids content by weight ASTM D 2369	≥ 98%
Drying time at 23 ± 20C ASTM D 1640	

Surface dry	< 4 hrs at 30 deg C
Tack free dry	< 8 hrs at 30 deg C
Theoretical coverage	Apprx. 5 -6 sqm / ltr /coat @ 100 microns DFT
Application	By brush/roller/spray
Recommended thinner clean up	XYLENE / TOLUENE

Performance data

PROPERTIES	SPECIFICATION
Pull off adhesion test ASTM D 7234 On concrete	≥ 2 MPa on M 20 grade concrete or concrete failure

Theoretical Coverage

5 - 6 sq. meters per ltr per coat

* Coverage depends upon surface profile of the substrate.

Packaging

40 ltr & 5 ltr set

Shelf Life

Shelf life is 24 months from date of manufacturing. Store in cool & dry place in unopened condition.

Storage and Handling

The product should be stored in accordance with national regulations. It should be kept in a well ventilated area, away from heat, direct sunlight, sparks and children. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot life time.

Health & Safety

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. Incase of splashes on the skin, dampen the cloth with Xylene or Toluene and wipe the hands with the cloth. Wash then with soap and water. Dried film is non toxic. Incase of contact with eyes, rinse with plenty of water and seek medical advice. Incase of continuous exposure to vapours, the applicator should be immediately moved to get fresh air. The disposal of excess or waste material should be carried out in accordance with the local legislations.

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